MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JULY, 1937

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

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JULY 1937

METEOROLOGICAL REGISTER

Date	Barometer reduced to o C Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.8	55.1	54.6	55.2	31.6	22.7	27.9	31.1	25.6	28.2
2	4.6	4.5	4.7	4.6	31.6	23.2	28.1	30.1	25.7	28.0
3	6.3	6.7	7.0	6.7	30.4	23.2	28.4	29.7	24.6	27.6
4	8.1	7.6	7.4	7.7	30.4	22.9	28.1	30.2	25.3	27.9
5	6.8	5.1	6.8	6.2	31.1	23.0	27.5	30.5	25.5	27.8
6	55.5	55.2	55.6	55.4	31.9	23.7	27.9	30.8	25.3	28.0
7	5.4	5.4	6.0	5.6	31.9	22.6	28.8	30.2	25.6	28.2
8	6.9	7.3	7.3	7.2	32.0	23.5	28.2	31.5	26.7	28.8
9	5.9	5.0	4.4	5.1	32.4	23.4	28.7	31.2	26.1	28.7
10	2.4	1.2	1.4	1.7	32.3	24.9	29.2	31.2	26.0	28.8
11	50.4	50.8	51.4	50.9	32.2	24.8	29.1	30.8	26.3	28.7
12	2.3	3.0	3.5	2.9	32.5	24.5	28.3	30.6	26.1	28.3
13	4.0	4.1	4.8	4.3	32.1	23.1	28.7	30.7	26.5	28.6
14	6.0	5.4	5.1	5.5	32.1	23.1	28.4	31.7	26.6	28.9
15	5.7	5.8	6.1	5.9	31.7	22.6	28.1	30.4	26.0	28.2
16	54.7	54.4	54.6	54.6	32.1	22.6	28.6	31.3	26.7	28.9
17	5.7	5.5	5.7	5.6	31.3	23.3	28.7	30.3	26.8	28.6
18	5.0	3.8	4.1	4.3	32.4	24.4	28.4	31.6	25.8	28.6
19	2.7	2.2	2.7	2.5	32.4	23.9	28.7	31.4	26.6	28.9
20	2.6	2.3	2.8	2.6	32.1	25.0	29.2	31.3	26 3	28.9
21	52.7	52.4	53.0	52.7	32.2	24.1	28.7	31.4	26.6	28.9
22	3.7	3.6	3.0	3.4	31.8	23.0	28.4	31.4	26.7	28.8
23	2.9	2.4	2.7	2.7	32.2	25.3	28.9	31.3	27.4	29.2
24	2.5	1.9	2.1	2.2	32.1	23.8	28.3	30.8	26.2	28.4
25	2.4	2.4	2.7	2.5	32.6	24.1	28.7	32.0	26.8	29 2
26	53.9	53.7	53.9	53.8	33.1	24.0	29.0	31.5	26.6	29.0
27	4.6	3.7	3.9	4.1	32.9	24.1	29.1	32.3	26.6	29.3
28	3.9	3.1	2.4	3.1	32.2	25 1	28.8	31.9	26.7	29.1
29	3.0	2.6	3.3	3.0	32.9	24.0	29.4	32.2	26.8	29.5
30	4.0	3.8	3.9	3.9	33.1	23.6	29.7	32.3	27.0	29.7
31	4.9	4.9	5.1	5 0	33.0	23.9	29.4	32.2	26.8	29.5
	754.36	754.03	754.26	754.22	32.08	23.59	28.63	31.16	26.33	28.68

Barometer, range for month 758.1 mm.–750.4 mm.

„ 50-yr. average for month 755.697 mm.

Thermometer, range for month 33.1° C.—22.6° C.

„ 50-yr. average for month 27.83° C.

Rain, total for month .... mm.

„ , 50-yr. average for month 0.51 mm.

„ , total, Sept. 1st to end of month 822.76 mm.

„ 50-yr. average, Sept. 1st to end of month 807.05 mm

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	24.1	25.6	22.4	19.0	19.7	17.7	18.8	68	58	73	66	12.3	
2	24.4	25.3	21.8	19.6	19.9	16.4	18.6	70	63	67	67	12.0	
3	24.4	24.0	21.7	19.3	17.7	17.1	18.0	68	57	74	66	11.2	
4	21.5	22.7	22.6	14.5	15.3	18.1	16.0	51	48	75	58	10.7	
5	22.2	24.3	22.7	16.0	17.8	18.2	17.7	58	54	62	62	11.0	
6	23.1	24.1	22.1	17.2	17.2	17.1	17.2	61	51	72	61	11.4	
7	24.0	24.9	22.5	18.3	19.2	17.8	18.4	61	60	73	65	11.6	
8	24.4	25.4	23.4	19.5	19.1	18.7	19.1	69	55	71	65	11.8	
9	24.4	25.1	23.6	19.1	18.8	19.5	19.1	66	55	77	66	12.0	
10	24.7	25.9	23.3	19.4	20.4	19.1	19.6	64	59	76	66	12.0	
11	24.7	26.2	25.1	19.4	21.2	22.5	21.0	65	63	89	72	12.1	
12	24.4	26.8	24.5	19.5	22.8	21.4	21.2	68	70	86	75	10.8	
13	24.4	26.5	24.7	19.2	22.0	21.6	20.9	66	67	84	72	11.7	
14	24.6	25.8	23.9	19.6	19.7	19.9	19.7	68	56	77	67	11.9	
15	23.8	23.9	22.9	16.7	17.2	18.4	17.4	58	53	73	61	11.7	
16	22.7	24.1	23.1	16.2	16.8	18.1	17.0	55	49	69	58	12.2	
17	23.3	23.6	23.6	17.1	16.7	19.0	17.6	58	52	72	61	12.1	
18	24.4	26.1	23.8	19.3	20.3	20.3	20.0	68	58	82	69	11.8	
19	25.1	25.9	24.7	20.4	20.2	21.5	20.7	69	58	84	70	11.7	
20	25.1	26.0	24.8	20.8	20.4	21.8	21.0	69	59	86	71	11.9	
21	24.5	26.0	24.5	19.3	20.3	21.1	20.2	66	58	82	69	10.8	
22	23.8	24.4	24.3	18.2	17.3	20.4	18.6	63	50	79	64	10.5	
23	23.3	24.8	24.6	16.9	18.2	20.5	18.5	57	53	76	62	8.5	
24	24.0	24.9	23.6	18.7	18.8	19.5	19.0	65	57	78	67	8.8	
25	24.7	26.1	24.4	19.6	20.1	20.6	20.1	67	57	79	68	11.0	
26	25.3	26.1	24.9	20.8	20.4	21.8	21.0	69	59	84	71	10.6	
27	24.9	26.3	24.6	20.0	20.4	21.1	20.5	67	57	81	68	11.1	
28	24.9	25.9	24.6	20.2	19.9	21.1	20.4	69	56	82	69	11.9	
29	24.9	26.1	24.7	19.8	20.0	21.2	20.3	65	56	81	67	11.6	
30	24.7	25.9	23.9	18.9	19.6	19.4	19.3	60	54	73	62	11.7	
31	24.8	25.4	23.6	19.4	18.6	18.9	19.0	63	52	72	62	11.8	
				18.77	19.32	19.67	19.22	64.23	56.58	80.03	66.03	11.34	

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	1cu	1cu	0	0.7	1s	1s	0	109.4	slight	
2	7cu	1cu	4cu	4.0	3s	3s	0	399.8	„	
3	4cu	4cu	7cu	5.0	2s	3s	2s	499.1	mod.	
4	4cu	4cu	7cu	5.0	2s	1s	2s	267.0	rough	
5	4cu	6cu	5cu	5.0	1s	1s	2s	217.4	„	
6	7cu	7cu	6cu	6.7	1s	2s	1s	276.7	mod.	
7	4cu	8cu	5cu	5.7	1s	2s	0	326.7	„	
8	3cu	0	9cu	4.0	1s	2s	1s	229.0	„	
9	3cu	5cu	0	2.7	2s	1sw	2s	425.9	„	
10	6cu	0	0	2.0	2s	3s	1s	528.0	„	
11	0	0	0	0.0	3s	3s	3s	670.0	rough	
12	0	0	0	0.0	4w	3w	1w	820.3	„	
13	2cu	0	0	0.7	3sw	0	0	230.1	mod.	
14	3cu	0	6cu	3.0	1sw	1s	0	154.8	slight	light dew a.m.
15	0	0	5cu	1.7	3s	2s	1s	150.8	mod.	
16	2cu	4cu	2cu	2.7	2s	2w	1w	441.1	rough	
17	3cu	6cu	5cu	4.7	0	2w	1s	237.7	„	
18	0	3cu	0	1.0	2s	1s	0	310.9	„	
19	5cu	2cu	6cu	4.3	2s	2s	1s	390.6	mod.	
20	2cu	4cu	3cu	3.0	3s	2s	0	313.8	„	
21	3cu	8cu	5cu	5.3	3s	3s	2s	642.7	„	
22	6cu	6cu	3cu	5.0	1n	2sw	0	369.3	„	
23	5cu	5cu	10cu	6.7	3sw	1s	0	209.2	„	
24	7cu	8cu	9cu	8.0	1n	1s	1s	234.6	„	
25	4cu	5cu	4cu	4.3	0	1s	0	183.4	„	
26	8cu	0	0	2.7	1s	1w	0	145.0	slight	
27	5cu	0	0	1.7	2s	1s	1s	206.3	„	
28	5cu	2cu	0	2.3	2w	2sw	2sw	563.9	„	
29	5cu	0	5cu	3.3	3w	2sw	1s	646.6	„	mist p.m.
30	1cu	0	8cu	3.0	2s	1sw	1sw	280.8	„	
31	3cu	2cu	3cu	2.7	1s	1s	1s	202.6	„	
				3.45	1.9	1.7	0.9	344.63		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	0	0	0	21	3	3	0	2	31
14:30	0	0	0	0	21	5	4	0	1	31
20:30	0	0	0	0	16	2	2	0	11	31
Totals	2	0	0	0	58	10	9	0	14	93

Number of days with rain 0, fog 0, thunderstorm 0, gale 0.

50-yr. average number of days with rain during month 0.2